Interventional Radiology, Tower Health Medical Group provides the most advanced and effective minimally invasive therapies for patients in a safe and friendly environment. We offer cutting-edge treatments for a wide array of diseases and conditions, including:

- Advanced cancer therapies for liver, kidney, lung and bone cancers
- Deep venous thrombosis and IVC filter
- Dialysis-related conditions
- Spine compression fractures
- Stroke interventions
- Uterine fibroids
- Varicose veins

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PHYSICIANS

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In addition, Interventional Radiology, Tower Health Medical Group offers the following treatments:

**Uterine Fibroid Embolization**

In the past, treatment of fibroids was limited to surgery, either hysterectomy or removal of the fibroid. Over the last several years, uterine fibroid embolization has emerged as a safe and highly effective treatment for uterine fibroids and an alternative to hysterectomy.

Uterine fibroid embolization uses the same non-surgical, minimally invasive techniques that interventional radiologists have been using to control pelvic bleeding. Advantages of this well-established and effective treatment for uterine fibroids include avoidance of major surgery, general anesthesia and their associated risks. Published data report a 78 to 94 percent clinical success rate with no further therapy required in most patients.

**Vertebroplasty and Kyphoplasty**

These procedures are used to treat pain and deformity of compression fractures of the vertebrae of the spine resulting from injury, osteoporosis or tumors. Using fluoroscopy (live x-ray), a special needle is guided into the bone through the skin from the back. A special bone cement is then injected into the affected vertebral body. It is possible to treat more than one affected vertebra in one procedure. During kyphoplasty, special balloons are inflated within the bone to expand the bone closer to its original height and compact the remaining bone. In either procedure, the injected bone cement stabilizes the fracture and gives the vertebra additional strength. The cement hardens within 20 minutes and patients are allowed to walk about an hour after the procedure. The one- to two-hour procedure is performed with local anesthesia and sedation, or if necessary, under anesthesia. Most patients experience relief of the severe bone pain within 48 hours and are allowed to resume normal daily activities within a day or two after the procedure. Both vertebroplasty or kyphoplasty can be used to:

- Treat severe pain
- Restore height and mobility
- Reduce spinal deformity
- Stabilize fractures

**Varicose Veins**

Painful and unsightly varicose veins can be treated on a outpatient basis with a minimally invasive procedure called ablation. The condition is often due to reflux in the superficial veins and is initially treated with compression stockings. If symptoms persist, then vein ablation using energy precisely delivered through a small catheter will close the affected vein redirecting the blood flow to the deep veins. Resuming the more normal blood flow through the deep veins typically improves the symptoms after the procedure and allows the patient to resume regular activities the following day. This outpatient treatment option is more than 90 percent effective, produces minimal to no scarring, and is a clinically proven alternative to the traditional treatment involving painful vein ligation and stripping through multiple incisions. The vein ablation treatment for symptomatic varicose veins is covered by Medicare and private insurers and is less costly, less time consuming, more successful and with fewer complicationsand scaring than other more invasive treatment options.

For more information about Interventional Radiology, Tower Health Medical Group, please call 484-628-8059.